

IN THE SPECIFICATION:

Please amend the specification as follows.

On page 8, amend paragraph [0031] to read as follows:

- [0031] The fourth element is an imaging lens assembly 7. The imaging lens assembly 7 consists of one or more lenses such that any beam of parallel rays is focused on a single point in the imaging plane. The fourth element has the opposite function of the second element. This iris may be combined with the imaging lens assembly 7 at 30'. - -

On page 15, amend paragraph [0052] to read as follows:

- [0052] A target refresh rate is 25 Hz or ~~at least~~ 0 Hz to 25 Hz. The refresh rate is fast for a number of reasons, including high-speed scanning and low inertia of the scanning mirrors 40 and digital imaging with a high-speed CCD or CMOS camera. Also, any motion errors that are produced, occur after the objective lens 20, and therefore, such errors are not magnified, as compared to moving stages, in which error or oscillation in the stage motion is magnified together with the sample. Because error is not magnified and the scanning mirror position is accurate, scanned and captured images do not need to be stitched together with software, but can be directly placed next to each other with subpixel accuracy, permitting faster refresh rates and more time

for image processing. The scanning pattern is also adapted to the regions of interest in order to obtain the highest refresh rates. - -

On page 16, amend paragraph [0055] to read as follows:

-- [0055] In one alternative embodiment of the invention, other optical systems such as a laser beam schematically shown at 90 in Fig. 1, can be injected between the scanning and image capture optical sections to perform different functions like machining, manipulation, heating, cutting, welding or fluorescent stimulation simultaneously with the imaging. - -